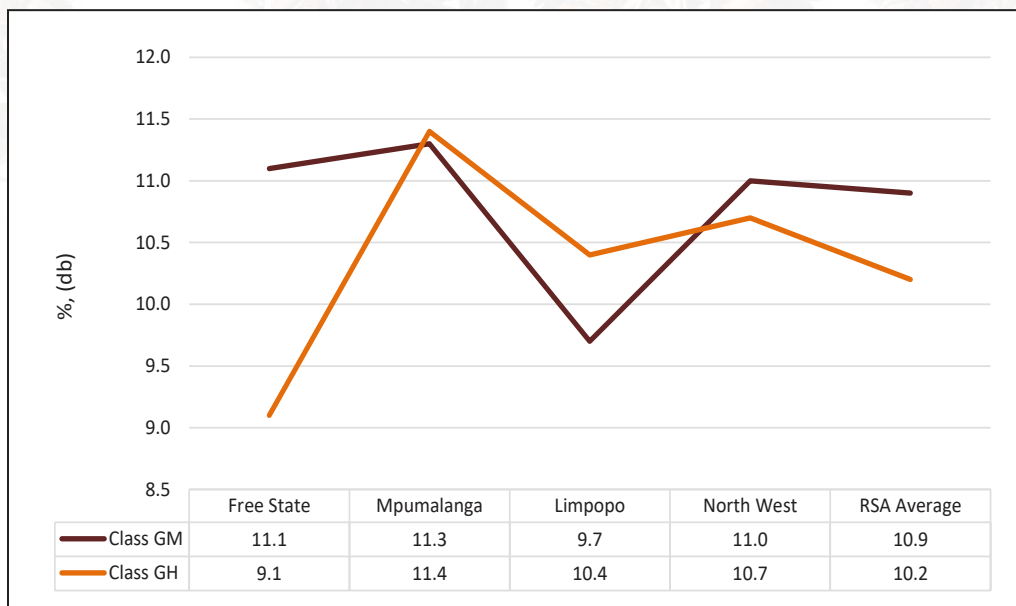
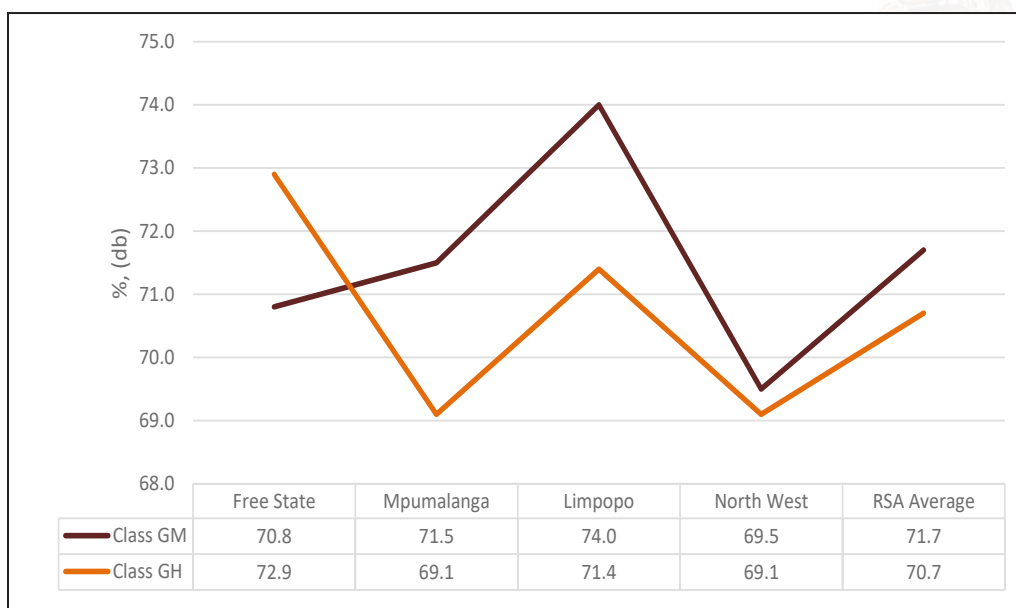


The crude protein and total starch contents of the samples were calculated and reported on a dry basis. Mpumalanga had the highest protein averages for both GM and GH sorghum. The highest total starch content for GM sorghum was reported in Limpopo, while the Free State had the highest total starch content for GH sorghum. Please see Graphs 20 and 21.

Graph 20: Average percentage crude protein per class per province



Graph 21: Average percentage total starch per class per province



Hunterlab colour determinations were done on a milled fraction of dehulled sample above the 1.8 mm slotted sieve. Please see the comparison of the Hunter L a b values obtained below. The average and range (in brackets) are provided:

GM sorghum: L 73.81 (67.49 – 83.08), a 4.43 (1.68 – 5.62) and b 10.17 (8.00 – 11.52)

GH sorghum: L 70.00 (66.17 – 73.93), a 4.71 (3.78 – 5.47) and b 9.16 (7.91 – 10.49)

Although there are currently no acceptable ranges for these parameters defined, the colour must be within the consumer-acceptable range, which traditionally are products with a slightly pink hue. Not only the dehulling process, but also other traits such as pigmentation differences determines the end product colour.